AG 156  Tree Risk Assessment
Three Credits

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EFFECTIVE DATE:        Fall 2010

Windward Community College Mission Statement

Windward Community College is committed to excellence in the liberal arts and career
development; we support and challenge individuals to develop skills, fulfill their
potential, enrich their lives, and become contributing, culturally aware member of our
community.

Catalog Description

This is an introductory course in the evaluation of hazard trees. It is intended for those
students interested in pursuing careers in arboriculture.

Activities Required at Scheduled Times Other Than Class Times
NONE

At the completion of this course, you should be able to:
(List the course’s student learning outcomes.)

1. Perform tree site inspections
2. Perform tree inspections
3. Document tree risk hazards

COURSE CONTENT (may be part of the appendix)

<table>
<thead>
<tr>
<th>Concepts or Topics (What students should know or understand)</th>
<th>Skills or Competencies (What students should be able to do in order to complete the student learning outcomes)</th>
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</thead>
<tbody>
<tr>
<td>Tree structure, faults, decay</td>
<td>1. Use tools to perform hazard assessment</td>
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<tr>
<td>Factors required for tree hazards</td>
<td>2. Determine hazard ratings</td>
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<tr>
<td>Issues (Issues that are important in this discipline)</td>
<td>3. Understand hazard definitions</td>
</tr>
<tr>
<td>1. Tree characteristics</td>
<td></td>
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<tr>
<td>2. Tree risk assessment</td>
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Course Tasks

Written examinations and quizzes are based upon the concepts, skills, and/or issues discussed in class. You will be required to show your competencies with your hands and pen. You are expected to read and comprehend the textbooks, and lectures, and actively engage in the learning process.

METHODS OF EVALUATION:

- Exam 1: 20%
- Final Exam: 50%
- Quizzes: 15%
- Participation: 15%

GRADES

- A= 90% or higher
- B= 80-89%
- C= 70-79%
- D= 60-69%
- F= less than 60%

Please refer to the WCC College catalog for audit, withdrawal, and incomplete options.

STUDENT RESPONSIBILITY

1. Students must be present for the final exam. There are no exceptions
2. Students absent from class will be held responsible for the material covered in class and any announcements made in class.
ATTENDANCE POLICY
Three absences will result in failure of the course

Learning Resources and Materials

Evaluation of Hazard Trees in Urban Areas by Matheny and Clark

AG 156 Tree Risk Assessment
Topics
Definitions and criteria
Tree Appraisal
Arborists qualifications
Tools and equipment
Tree growth patterns and the development of structural defects
Site considerations
Evaluating trees for hazards
Mitigation
Liability and Negligence